

U. S. TREASURY DEPARTMENT

OGDEN L. MILLS, *Secretary*

U.S. PUBLIC HEALTH SERVICE

HUGH S. CUMMING, *Surgeon General*

# THE NOTIFIABLE DISEASES

PREVALENCE IN STATES

1931

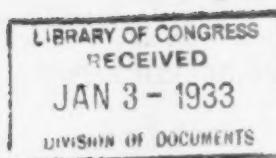
SUPPLEMENT No. 105  
TO THE  
PUBLIC HEALTH REPORTS



UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1932

For sale by the Superintendent of Documents, Washington, D. C. - - - - - Price 5 cents

Collected set



RA 11  
B177

## THE NOTIFIABLE DISEASES

### PREVALENCE DURING 1931 IN STATES

The tables which appear on the following pages have been compiled from data furnished by the health officers of the several States, the District of Columbia, and insular possessions. The data for syphilis and gonorrhea were furnished by the division of venereal diseases of the Public Health Service. The reports for Rocky Mountain spotted fever, tularaemia, typhus fever, and undulant fever have been supplemented by other data received by the Public Health Service.

The following is a list of the diseases included:

Typhoid fever (1).	Rabies in man (21).
Typhus fever (3).	Tuberculosis (respiratory system and all forms) (23-32).
Undulant fever (5).	Syphilis (34).
Smallpox (6).	Gonorrhea (35).
Measles (7).	Yellow fever (37).
Scarlet fever (8).	Malaria (38).
Whooping cough (9).	Chicken pox (44a).
Diphtheria (10).	Dengue (part 44c).
Influenza (11).	Mumps (part 44c).
Cholera (12).	Rocky Mountain spotted fever (part 44c).
Plague (14).	Tularaemia (part 44c).
Poliomyelitis (16).	Pellagra (62).
Lethargic encephalitis (17).	Pneumonia (all forms) (107-109).
Meningococcus meningitis (18).	Septic sore throat (115a).
Anthrax (20).	
Rabies in animals.	

NOTE.—Figures in parentheses refer to International List of Causes of Death.

Morbidity and mortality data for 1931 were received from all the States (including the District of Columbia) except Utah.

The populations given in the tables and used in computing case and death rates were estimated as of July 1, 1931, by the Bureau of the Census.

The estimated expectancy, given in the summary for some of the diseases, is the result of an attempt to ascertain from the experience of recent years how many cases of the disease under consideration might be expected in 1931. The estimated expectancy is the median number of cases reported for the years 1924 to 1930, inclusive.

In comparing the figures for 1931 with the estimated expectancy, or with reports for preceding years, it should be borne in mind that there has been a gradual improvement in the reporting of notifiable diseases during the last few years. An increase in the number of cases reported may be due to better reporting of the particular disease rather than to an increase in the number of cases occurring.

A relatively large number of reported cases of a notifiable disease, as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths), usually means that the health department of that State is active and that the cases of the disease are being well reported by the practicing physicians. It does not necessarily mean that the disease is more prevalent in that State than in other States.

In some instances comparatively large numbers of cases of diseases reported in certain States may be due to the system of reporting rather than to unusual prevalence of the diseases. For instance, in Mississippi physicians report some diseases monthly to the State health officer, giving the number of cases occurring in their practice during the month. This method of reporting probably is responsible, in part, at least, for the comparatively large numbers of cases of certain diseases reported in Mississippi.

Tabulations of reported cases of, and deaths from, notifiable diseases, have been issued by the United States Public Health Service since 1912. (Reprints numbered 163, 208, 298, 345, 426, 505, 551, 643, 681, 791, 879, 974, 1,056, and 1,132, and supplements numbered 67, 73, 79, 88, and 104.)

### SUMMARY

#### TYPHOID FEVER (1)

47 States:

Cases reported, 1931 (population 123,558,000).	26,459
Estimated expectancy, based on years 1924-1930.	31,088
Cases per 1,000 inhabitants, 1931.	0.214
Cases per 1,000 inhabitants, estimated expectancy.	0.264
Deaths registered, 1931.	5,721
Deaths per 1,000 inhabitants, 1931.	0.046
Cases reported for each death registered, 1931.	5

<sup>1</sup> The District of Columbia is also included.

## NOTIFIABLE DISEASES—STATES—1931

47 States: 1	SMALLPOX (6)
Cases reported, 1931 (population 123,558,000)	30,151
Estimated expectancy, based on years 1924-1930	33,685
Cases per 1,000 inhabitants, 1931	0.244
Cases per 1,000 inhabitants, estimated expectancy	0.286
Deaths registered, 1931	104
Deaths per 1,000 inhabitants, 1931	0.001
Cases reported for each death registered, 1931	290
47 States: 1	MEASLES (7)
Cases reported, 1931 (population 123,558,000)	474,549
Estimated expectancy, based on years 1924-1930	340,863
Cases per 1,000 inhabitants, 1931	3,841
Cases per 1,000 inhabitants, estimated expectancy	2,896
Deaths registered, 1931	3,345
Deaths per 1,000 inhabitants, 1931	0.027
Cases reported for each death registered, 1931	142
47 States: 1	SCARLET FEVER (8)
Cases reported, 1931 (population 123,558,000)	200,607
Estimated expectancy, based on years 1924-1930	177,938
Cases per 1,000 inhabitants, 1931	1,624
Cases per 1,000 inhabitants, estimated expectancy	1,512
Deaths registered, 1931	2,618
Deaths per 1,000 inhabitants, 1931	0.021
Cases reported for each death registered, 1931	77
47 States: 1	WHOOPING COUGH (9)
Cases reported, 1931 (population, 123,558,000)	169,283
Estimated expectancy, based on years 1924-1930	160,848
Cases per 1,000 inhabitants, 1931	1,370
Cases per 1,000 inhabitants, estimated expectancy	1,367
Deaths registered, 1931	4,508
Deaths per 1,000 inhabitants, 1931	0.036
Cases reported for each death registered, 1931	38
47 States: 1	DIPHTHERIA (10)
Cases reported, 1931 (population, 123,558,000)	70,671
Estimated expectancy, based on years 1924-1930	90,730
Cases per 1,000 inhabitants, 1931	0.572
Cases per 1,000 inhabitants, estimated expectancy	0.771
Deaths registered, 1931	6,132
Deaths per 1,000 inhabitants, 1931	0.050
Cases reported for each death registered, 1931	12
40 States: 1	INFLUENZA (11)
Cases reported, 1931 (population, 93,896,000)	208,555
Cases per 1,000 inhabitants, 1931	2,221
Deaths registered, 1931	25,425
Deaths per 1,000 inhabitants, 1931	0.271
Cases reported for each death registered, 1931	8
47 States: 1	
Deaths registered, 1931 (population, 123,558,000)	32,356
Deaths per 1,000 inhabitants, 1931	0.262
42 States: 1	POLIOMYELITIS (INFANTILE PARALYSIS) (16)
Cases reported, 1931 (population, 107,820,000)	15,780
Estimated expectancy, based on years 1924-1930	3,746
Cases per 1,000 inhabitants, 1931	0.146
Cases per 1,000 inhabitants, estimated expectancy	0.037
Deaths registered, 1931	1,937
Deaths per 1,000 inhabitants, 1931	0.018
Cases reported for each death registered, 1931	8
47 States: 1	
Deaths registered, 1931 (population, 123,558,000)	2,096
Deaths per 1,000 inhabitants, 1931	0.017
45 States: 1	LETHARGIC ENCEPHALITIS (17)
Deaths registered, 1931 (population, 119,820,000)	989
Deaths per 1,000 inhabitants, 1931	0.008
40 States: 1	MENINGOCOCCUS MENINGITIS (18)
Cases reported, 1931 (population, 116,557,000)	5,426
Estimated expectancy, based on years 1924-1930	3,370
Cases per 1,000 inhabitants, 1931	0.047
Cases per 1,000 inhabitants, estimated expectancy	0.030
46 States: 1	
Deaths registered, 1931 (population, 120,928,000)	2,575
Deaths per 1,000 inhabitants, 1931	0.021
39 States: 1	
Deaths registered, 1931 (population, 113,927,000)	2,490
Deaths per 1,000 inhabitants, 1931	0.022
Cases reported for each death registered, 1931	2

1 The District of Columbia is also included.

TUBERCULOSIS (RESPIRATORY SYSTEM) (28)		
45 States: <sup>1</sup>		
Deaths registered, 1931 (population, 121,296,000)	73,566	
Deaths per 1,000 inhabitants, 1931	0.606	
TUBERCULOSIS (ALL FORMS) (23-32)		
47 States: <sup>1</sup>		
Deaths registered, 1931 (population, 123,558,000)	83,137	
Deaths per 1,000 inhabitants, 1931	0.673	
SYPHILIS (34)		
41 States: <sup>1</sup>		
Cases reported, 1931 (population, 116,631,000)	239,482	
Cases per 1,000 inhabitants, 1931	2.053	
GONORRHEA (35)		
41 States: <sup>1</sup>		
Cases reported, 1931 (population, 116,631,000)	156,919	
Cases per 1,000 inhabitants, 1931	1.345	
MALARIA (38)		
32 States:		
Cases reported, 1931 (population, 105,496,000)	70,353	
Cases per 1,000 inhabitants, 1931	0.667	
Deaths registered, 1931	2,553	
Deaths per 1,000 inhabitants, 1931	0.024	
Cases reported for each death registered, 1931	28	
37 States:		
Deaths registered, 1931 (population, 114,960,000)	2,649	
Deaths per 1,000 inhabitants, 1931	0.023	
CHICKEN POX (44A)		
47 States: <sup>1</sup>		
Cases reported, 1931 (population, 123,558,000)	232,328	
Estimated expectancy, based on years 1924-1930	199,506	
Cases per 1,000 inhabitants, 1931	1.880	
Cases per 1,000 inhabitants, estimated expectancy	1.665	
45 States: <sup>1</sup>		
Deaths registered, 1931 (population, 117,886,000)	140	
Deaths per 1,000 inhabitants, 1931	0.001	
Cases reported for each death registered, 1931	1,562	
MUMPS (PT. 44C)		
42 States: <sup>1</sup>		
Cases reported, 1931 (population, 106,965,000)	126,766	
Estimated expectancy, based on years 1924-1930	102,233	
Cases per 1,000 inhabitants, 1931	1.163	
Cases per 1,000 inhabitants, estimated expectancy	0.984	
44 States: <sup>1</sup>		
Cases reported, 1931 (population, 114,843,000)	129,012	
Cases per 1,000 inhabitants, 1931	1.123	
44 States: <sup>1</sup>		
Deaths registered, 1931 (population, 114,965,000)	89	
Deaths per 1,000 inhabitants, 1931	0.001	
42 States: <sup>1</sup>		
Deaths registered, 1931 (population, 109,171,000)	84	
Deaths per 1,000 inhabitants, 1931	0.001	
Cases reported for each death registered, 1931	1,491	
PELLAGRA (62)		
22 States: <sup>1</sup>		
Cases reported, 1931 (population, 59,495,000)	27,807	
Cases per 1,000 inhabitants, 1931	0.467	
40 States: <sup>1</sup>		
Deaths registered, 1931 (population, 119,752,000)	5,854	
Deaths per 1,000 inhabitants, 1931	0.049	
PNEUMONIA (ALL FORMS) (107-109)		
46 States: <sup>1</sup>		
Deaths registered, 1931 (population, 119,278,000)	100,080	
Deaths per 1,000 inhabitants, 1931	0.839	
SEPTIC SORE THROAT (115A)		
27 States:		
Cases reported, 1931 (population, 75,907,000)	4,706	
Cases per 1,000 inhabitants, 1931	0.062	
37 States: <sup>1</sup>		
Deaths registered, 1931 (population, 103,240,000)	1,381	
Deaths per 1,000 inhabitants, 1931	0.013	

<sup>1</sup> The District of Columbia is also included.<sup>1</sup> All 4 groups are different States.

NOTE.—Figures in parentheses refer to International List of Causes of Death.

Cases reported, 1931, by months

Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
Typhoid fever (1)	47	755	635	535	944	1,546	3,514	4,879	4,994	4,194	2,323	1,471	26,459
Typhus fever (3)	15	20	7	5	13	9	19	38	52	42	35	31	332
Undulant fever (5)	47	82	116	88	108	119	160	140	124	130	113	113	578
Smallpox (6)	47	4,985	4,333	4,165	4,429	3,854	94,607	56,497	1,357	542	557	1,173	30,151
Measles (7)	47	37,006	55,176	83,126	95,088	94,607	16,903	3,560	1,377	9,139	17,073	474	549
Scarlet fever (8)	47	24,670	24,818	26,891	24,901	22,816	13,713	5,944	12,451	16,850	18,529	200	607
Whooping cough (9)	47	12,311	11,434	14,118	14,904	15,537	15,981	17,310	14,405	12,319	13,667	16,750	168,283
Diphtheria (10)	47	6,407	4,723	4,482	3,868	3,700	3,274	2,501	2,784	5,858	11,972	11,479	70,671
Influenza (11)	40	53,539	67,842	42,861	18,147	6,698	2,219	1,518	1,874	2,699	3,783	5,371	208,535
Poliomyelitis (16)	42	207	125	88	86	102	150	1,069	4,965	5,192	6,236	837	15,780
Lethargic encephalitis (17)	18	64	56	59	59	54	47	55	56	67	26	28	29
Meningoococcal meningitis (18)	40	697	672	754	719	533	359	311	255	255	283	329	5,426
Anthrax in man (20)	18	6	6	4	6	7	4	6	9	4	3	2	61
Rabies in animals	22	246	292	278	303	284	196	159	127	132	143	152	2,537
Rabies in man (21)	47	245	245	1	6	5	4	5	3	8	4	4	58
Tuberculosis (respiratory) (23)	13	4,517	4,070	5,079	4,607	4,487	4,637	4,773	4,330	4,437	4,278	3,729	52,949
Tuberculosis (all forms) (23-32)	27	8,301	8,474	8,724	9,370	10,024	9,780	9,482	9,187	8,672	8,737	7,371	107,626
Syphilis (34)	41	19,493	18,616	19,915	20,443	20,200	20,508	17,622	17,933	20,388	21,256	20,886	22,166
Gonorrhea (35)	41	12,630	1,287	11,967	12,138	13,066	13,366	13,207	13,559	14,656	14,768	13,316	12,929
Malaria (38)	32	2,266	2,290	2,424	3,678	5,055	8,736	8,736	10,450	10,956	9,787	8,662	2,810
Chicken pox (44a)	47	36,535	31,831	33,040	28,633	26,182	18,322	5,380	1,726	2,058	6,222	18,151	232,228
Dengue (part 44c)	6	18	41	8	4	19	25	5	12	37	7	13	12
Mumps (part 44c)	44	13,700	15,253	20,388	21,305	20,239	12,291	4,739	2,428	2,067	3,271	5,536	7,725
Rocky Mountain spotted fever (part 44c)	19	1	1	1	10	40	57	42	24	18	6	1	1
Tularemia (part 44c)	37	172	43	27	16	19	13	36	16	20	14	48	215
Pellagra (62)	22	925	1,240	1,569	2,588	4,470	5,632	5,439	2,179	1,163	1,010	849	7,675
Pneumonia (all forms) (107-109)	19	17,987	17,371	14,944	10,833	7,140	3,445	2,648	3,330	4,068	5,197	7,367	99,045
Septic sore throat (116a)	27	423	420	419	927	427	251	239	222	246	308	354	400

<sup>1</sup> The District of Columbia is also included.<sup>2</sup> Includes 29 cases not reported by months.<sup>3</sup> Includes 125 cases not reported by months.<sup>4</sup> Exclusive of 684 cases of human tuberculosis reported in Massachusetts, and 37 nonresidents reported in Oregon.<sup>5</sup> Includes 14 cases not reported by months.<sup>6</sup> Includes 49 cases not reported by months.<sup>7</sup> Includes 46 cases not reported by months.

NOTE.—Figures in parentheses refer to International List of Causes of Death.

## NOTIFIABLE DISEASES—STATES—1931

57

Cases and deaths reported, 1931, by States

State	Population in thousands	Typhoid fever (1)		Typhus fever (3) <sup>1</sup>		Undulant fever (5) <sup>1</sup>		Smallpox (6)		Measles (7)		Scarlet fever (8)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
<b>NEW ENGLAND</b>													
Maine.....	800	148	25	.....	.....	5	0	1	0	3,436	22	1,165	16
New Hampshire.....	467	29	10	.....	.....	1	0	5	0	1,988	14	227	1
Vermont.....	360	8	6	.....	.....	17	1	327	1	1,744	7	409	5
Massachusetts.....	4,280	250	30	1	.....	15	0	6	0	16,581	64	12,782	101
Rhode Island.....	694	46	7	.....	.....	0	0	0	0	4,822	10	1,791	12
Connecticut.....	1,624	115	17	2	.....	20	0	96	0	12,868	37	1,970	11
<b>MIDDLE ATLANTIC</b>													
New York.....	12,756	1,133	134	16	2	171	4	461	0	54,405	231	26,565	219
New Jersey.....	4,100	269	41	.....	.....	49	0	9	0	20,262	95	8,823	84
Pennsylvania.....	9,700	1,569	205	.....	.....	55	4	10	0	79,757	441	20,000	223
<b>EAST NORTH CENTRAL</b>													
Ohio.....	6,714	1,256	168	.....	.....	115	5	1,767	3	21,913	160	18,402	226
Indiana.....	3,262	342	98	.....	.....	27	1	3,050	8	17,780	156	8,167	119
Illinois.....	7,718	807	127	.....	.....	124	7	1,766	4	39,300	333	16,775	301
Michigan.....	4,931	424	73	.....	.....	19	1	915	4	6,212	28	13,023	122
Wisconsin.....	2,962	147	20	.....	.....	71	1	306	0	14,980	41	4,657	62
<b>WEST NORTH CENTRAL</b>													
Minnesota.....	2,577	193	18	.....	.....	72	1	306	2	3,058	7	3,046	24
Iowa.....	2,476	163	34	.....	.....	48	5	2,225	6	9,904	3	3,086	41
Missouri.....	3,646	688	245	.....	.....	162	0	1,386	8	16,915	269	8,483	195
North Dakota.....	683	151	14	.....	.....	42	0	417	1	1,075	5	923	18
South Dakota.....	697	98	20	.....	.....	6	0	754	0	1,759	2	714	3
Nebraska.....	1,384	75	2	.....	.....	5	4	1,392	2	348	4	1,453	22
Kansas.....	1,889	254	41	.....	.....	64	5	2,529	7	1,782	8	2,364	23
<b>SOUTH ATLANTIC</b>													
Delaware.....	240	51	11	.....	.....	2	0	0	0	0	0	2,430	4
Maryland.....	1,645	787	89	6	.....	47	0	0	0	0	0	20,610	30
District of Columbia.....	491	64	19	1	.....	3	1	0	0	0	0	4,234	5
Virginia.....	2,430	1,533	192	4	.....	20	2	124	1	17,974	86	3,801	37
West Virginia.....	1,749	1,263	222	1	.....	5	0	242	1	5,003	42	1,812	30
North Carolina.....	3,217	991	155	6	.....	2	0	653	2	16,489	103	3,461	64
South Carolina.....	1,743	1,351	280	13	.....	1	0	78	0	3,359	38	2,505	17
Georgia.....	2,969	1,226	480	127	3	3	0	176	0	3,160	62	2,129	44
Florida.....	1,506	183	87	28	3	38	0	27	0	3,899	36	2,206	7

1 Cases of typhus fever and undulant fever reported by State health officers have been supplemented by reports received from other sources.

## NOTIFIABLE DISEASES—STATES—1931

Cases and deaths reported, 1931, by States—Continued

State	Population, in thousands	Typhoid fever (1)		Typhus fever (3) <sup>1</sup>		Undulant fever (5) <sup>1</sup>		Smallpox (6)		Measles (7)		Scarlet fever (8)	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
<b>EAST SOUTH CENTRAL</b>													
Kentucky	2,630	1,127	379	1	0	20	6	329	7	4,837	173	3,353	76
Tennessee	2,638	1,761	277	1	0	7	0	662	3	9,751	102	4,056	64
Alabama	2,669	982	186	80	4	20	5	295	0	9,303	172	1,814	30
Mississippi	2,026	1,059	211	1	0	3	0	1,268	2	1,556	9	1,220	11
<b>WEST SOUTH CENTRAL</b>													
Arkansas	1,862	812	350	1	0	12	0	760	6	848	26	877	30
Louisiana	2,126	1,402	308	1	0	59	4	634	2	247	12	975	16
Oklahoma	2,424	1,056	262	1	0	13	6	1,968	11	755	12	1,490	37
Texas	5,913	836	538	43	9	11	5	1,819	13	2,424	77	1,893	80
<b>MOUNTAIN</b>													
Montana	538	137	12	0	0	4	0	120	0	1,634	2	1,223	10
Idaho	446	141	19	0	0	23	0	127	0	246	10	697	11
Wyoming	228	24	3	0	0	1	1	59	0	158	0	619	3
Colorado	1,043	209	67	0	0	7	0	227	2	4,835	32	1,428	31
New Mexico	428	223	39	0	0	5	0	58	0	1,430	34	351	8
Arizona	443	131	25	0	0	12	0	47	0	2,415	106	202	0
Utah	512	0	0	0	0	11	0	0	1	0	0	0	0
Nevada	92	12	0	0	0	0	0	0	1	0	0	0	0
<b>PACIFIC</b>													
Washington	1,579	234	22	0	0	34	0	1,112	3	3,458	32	1,912	18
Oregon	987	156	21	0	0	24	0	785	0	2,379	8	742	10
California	5,848	703	106	2	0	103	2	1,524	6	26,738	112	5,852	56
Total	124,070	26,459	5,721	332	22	1,578	74	30,151	104	474,549	3,345	200,607	2,618

<sup>1</sup> Cases of typhus fever and undulant fever reported by State health officers have been supplemented by reports received from other sources.

Note.—Figures in parentheses refer to International List of Causes of Death.

*Cases and deaths reported, 1931, by States—Continued*

## CHOLERA (12)

No case of cholera, or death from this disease, was reported in the United States during the year 1931.

## PLAQUE (HUMAN) (14)

No case of human plague, or death from this disease, was reported in continental United States during the year 1931.

One fatal case was reported August 2, 1931, in Kula District, Maui Island, Hawaii Territory.

## NOTIFIABLE DISEASES—STATES—1931

Cases and deaths reported, 1931, by States—Continued

State	Whooping cough (9)			Diphtheria (10)			Influenza (11)			Poliomyelitis (16)			Lochristic encephalitis (17)			Meningococcus meningitis (18)		
	Cases	Deaths	Cases	Cases	Deaths	Cases	Cases	Deaths	Cases	Cases	Deaths	Cases	Cases	Deaths	Cases	Cases	Deaths	
NEW ENGLAND																		
Maine	1,665	55	225	20	683	222	121	12	11	11	8	3	1	1	1	1	2	
New Hampshire	144	13	82	15	416	127	73	11	11	11	2	1	1	1	1	1	2	
Vermont	1,639	23	90	14	—	94	111	—	—	—	—	—	—	—	—	—	—	
Massachusetts	7,174	88	2,881	130	1,235	432	1,428	114	34	24	24	101	30	5	12	12	2	
Rhode Island	390	16	302	33	136	97	169	10	—	4	4	9	44	5	12	12	2	
Connecticut	3,007	44	354	14	1,301	291	1,133	93	35	18	18	44	12	12	12	12	2	
MIDDLE ATLANTIC																		
New York	21,688	368	5,235	280	—	1,717	6,189	670	145	123	123	659	279	75	279	279	75	
New Jersey	10,968	136	1,923	122	3,472	2,843	4,911	48	145	145	145	37	176	75	449	449	200	
Pennsylvania	15,514	308	4,487	364	—	—	—	96	—	—	—	—	—	—	—	—	—	
EAST NORTH CENTRAL																		
Ohio	9,388	158	3,414	189	3,324	1,979	227	50	—	—	—	68	180	90	183	183	90	
Indiana	2,654	146	1,967	137	1,239	1,141	60	39	—	—	—	25	265	183	401	401	255	
Illinois	10,911	223	5,413	380	3,562	1,649	700	101	63	47	47	33	121	121	121	121	121	
Michigan	11,448	190	1,831	172	1,337	836	1,137	108	52	39	39	84	42	42	42	42	42	
Wisconsin	7,264	56	795	54	2,370	540	722	49	—	—	—	—	—	—	—	—	—	
WEST NORTH CENTRAL																		
Minnesota	1,860	57	850	38	696	564	822	66	28	28	28	24	117	44	117	117	44	
Iowa	1,118	50	500	41	—	645	167	—	—	—	—	40	73	65	73	73	65	
Missouri	3,788	143	2,659	251	1,796	1,367	833	18	2	10	10	70	93	24	77	77	24	
North Dakota	716	35	283	21	226	156	43	5	—	4	4	4	4	4	4	4	4	
South Dakota	407	38	410	18	—	—	—	—	—	—	—	—	—	—	—	—	—	
Nebraska	780	58	632	48	336	311	383	15	4	4	4	4	30	22	30	30	22	
Kansas	1,749	24	1,156	68	1,106	568	32	12	—	—	—	14	56	24	24	24	24	
SOUTH ATLANTIC																		
Delaware	281	11	271	16	278	57	6	1	—	—	—	1	4	4	4	4	4	
Maryland	4,358	126	1,503	65	9,297	343	60	10	—	—	—	21	51	28	58	58	28	
District of Columbia	719	28	574	36	228	89	17	4	—	—	—	2	18	49	49	49	49	
Virginia	6,987	165	4,866	214	41,667	1,219	68	18	—	—	—	23	44	17	44	44	17	
West Virginia	2,532	131	1,281	164	2,303	1,598	81	—	—	—	—	—	14	20	123	123	20	
North Carolina	6,982	185	3,156	237	4,730	1,085	104	20	—	—	—	14	123	38	38	38	38	
South Carolina	1,959	102	1,013	88	4,254	1,260	51	16	—	—	—	12	12	52	52	52	52	
Georgia	4,774	111	975	145	12,358	1,283	51	34	—	—	—	12	87	52	52	52	52	
Florida	420	25	491	74	1,043	607	74	7	—	—	—	7	9	10	10	10	10	

EAST SOUTH CENTRAL													
Kentucky	1,476	160	2,427	385	7,345	1,065	1,991	63	24	14	7	127	138
Tennessee	2,522	169	2,457	259	5,686	1,063	57	24	46	36	14	379	226
Alabama	822	97	2,198	206	33,386	826	54	12	—	6	6	70	34
Mississippi	4,427	71	2,322	225	—	—	—	—	—	—	—	—	—
WEST SOUTH CENTRAL													
Arkansas	561	68	947	290	3,504	820	908	33	24	19	31	38	35
Louisiana	344	118	1,505	135	2,220	467	467	33	20	31	10	101	49
Oklahoma	467	58	2,072	290	3,782	1,032	831	—	48	—	5	25	26
Texas	1,251	149	2,276	554	—	—	—	—	—	—	44	—	28
MOUNTAIN													
Montana	1,127	48	105	9	330	173	58	14	7	7	7	31	12
Idaho	638	30	142	10	218	53	15	6	—	9	9	81	37
Wyoming	393	9	336	3	59	46	9	3	—	7	7	22	7
Colorado	1,933	84	344	35	259	379	7	4	—	7	7	38	24
New Mexico	349	46	387	44	259	157	16	5	—	1	1	30	10
Arizona	214	50	281	27	516	92	12	7	—	6	6	77	45
Utah	—	—	—	—	—	—	—	—	—	—	—	—	—
Nevada	100	0	15	0	311	18	1	0	—	—	6	6	6
PACIFIC													
Washington	3,111	52	466	34	1,061	445	86	17	—	31	60	29	—
Oregon	605	11	218	16	2,303	201	16	7	—	14	60	10	—
California	9,700	146	3,423	175	7,016	813	292	48	57	40	264	152	—
Total	169,283	4,508	70,671	6,132	298,555	32,356	15,780	2,096	603	989	5,426	2,575	—

Note.—Figures in parentheses refer to International List of Causes of Death.

## Cases and deaths reported, 1931, by States—Continued

## ANTHRAX IN MAN (20)

State	Cases	Deaths	State	Cases	Deaths	
<b>NEW ENGLAND</b>						
Massachusetts	16	1	Delaware	2	0	
Connecticut	3	0	North Carolina	1	0	
<b>MIDDLE ATLANTIC</b>						
New York	8	2	Tennessee	1	0	
New Jersey	6	0				
Pennsylvania	8	1	Arkansas	1	0	
<b>EAST NORTH CENTRAL</b>						
Ohio	1	0	Louisiana	1	0	
Indiana	1	1	Oklahoma	1	0	
Illinois	1	1	Texas	1	0	
Michigan	1	2				
<b>WEST NORTH CENTRAL</b>						
Minnesota	1	1	Montana	1	0	
Iowa	1	1				
Missouri	1	1	Washington	2	2	
Nebraska	2	0	Oregon	1	0	
Kansas	2	2	California	1	0	
<b>MOUNTAIN</b>						
<b>PACIFIC</b>						
Total						
				61	21	

## YELLOW FEVER (37)

No case of yellow fever, or death from this disease, was reported in the United States during the year 1931.

Cases and deaths reported, 1931, by States—Continued

State	Rabies in animals	Rabies in man (21)	Tuberculosis, respiratory (23)	Tuberculosis, all forms (23-32)	Syphilis (34)		Gonorrhœa (35)	Malaria (38)	Chicken pox (44a)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Cases	Deaths	Cases	Deaths
<b>NEW ENGLAND</b>											
Maine	0	0	338	625	398	544	1,034	0	1,686	0	1,686
New Hampshire	0	0	319	205	241	108	1,133	1	112	1	112
Vermont	0	0	214	246	388	460	-----	0	1,725	0	1,725
Massachusetts	4	4	2,421	2,306	2,554	4,447	7,201	18	9,613	4	9,613
Rhode Island	0	0	369	635	432	577	584	1	638	3	638
Connecticut	18	0	1,256	1,371	883	2,078	1,602	5	3,351	0	3,351
New York	56	0	795	1,371	883	2,078	1,602	5	2	0	0
<b>MIDDLE ATLANTIC</b>											
New York	172	2	18,590	7,811	19,732	8,537	51,524	15,434	59	6	22,163
New Jersey	0	0	2,417	6,249	2,702	7,988	4,060	7	0	12,222	9
Pennsylvania	4	4	5,063	7,544	6,680	3,024	3,274	18	7	28,867	31
<b>EAST NORTH CENTRAL</b>											
Ohio	3	0	3,638	7,662	4,204	7,073	4,491	32	6	18,459	11
Indiana	0	0	1,695	3,173	1,980	2,814	1,928	9	3,720	0	3,720
Illinois	4	4	10,178	4,184	10,423	4,757	16,813	18,723	561	60	12,670
Michigan	84	2	2,263	6,132	2,660	14,662	14,662	13	4	11,531	0
Wisconsin	0	0	1,284	1,892	1,432	619	1,944	-----	0	15,011	4
<b>WEST NORTH CENTRAL</b>											
Minnesota	4	0	805	3,424	1,063	3,882	3,603	4	0	8,927	3
Iowa	0	0	612	1,712	597	442	-----	0	2,721	3	2,721
Missouri	53	1	2,357	2,740	2,625	3,879	2,530	315	146	3,085	-----
North Dakota	0	0	268	276	3,986	1,023	0	0	1,064	0	1,064
South Dakota	0	0	325	299	306	407	475	0	1,173	2	1,173
Nebraska	0	0	1,124	624	1,359	355	1,051	3	2,347	2	2,347
Kansas	94	0	624	1,359	700	793	812	18	6	4,307	2
<b>SOUTH ATLANTIC</b>											
Delaware	20	0	234	183	207	1,272	397	17	0	208	0
Maryland	44	0	2,673	1,428	2,756	1,587	2,631	2,147	17	2	4,287
District of Columbia	6	0	1,010	522	1,062	1,336	1,336	0	0	893	0
Virginia	1	1	-----	2,007	2,240	2,967	925	530	13	5,899	0
West Virginia	3	2	-----	2,929	1,055	18,461	5,952	1	0	2,277	0
North Carolina	2	2	-----	2,074	2,256	5,631	14,646	38	4,856	2	4,856
South Carolina	169	2	-----	1,188	1,658	5,631	8,031	236	4,307	4	4,307
Georgia	1	1	-----	1,925	2,252	9,671	4,176	1,907	297	1,304	3
Florida	92	3	-----	983	1,067	3,965	704	337	205	1,209	0

<sup>1</sup> From the Department of Conservation.<sup>2</sup> Exclusive of New York City.

## Cases and deaths reported, 1931, by States—Continued

State	Rabies in animals		Rabies in man (21)		Tuberculosis, respiratory (23)		Tuberculosis, all forms (23-32)		Syphilis (34)		Gonorrhœa (35)		Malaria (38)		Chicken pox (44a)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	
EAST SOUTH CENTRAL																	
Kentucky	5	5	2,246	2,474	3,905	4,578	54	54	890	140	2,430	0	890	0	0	0	0
Tennessee	3	2	2,542	4,053	7,559	9,408	1,728	1,728	1,736	2,481	5,550	2	1,736	0	1,736	0	3
Alabama	2	1	2,082	5,063	7,941	12,941	5,550	5,550	5,550	12,704	19,394	12,704	19,394	19,394	19,394	19,394	19,394
Mississippi	2	1	1,408	—	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588	1,588
WEST SOUTH CENTRAL																	
Arkansas	2	2	1,270	1,358	4,472	2,987	1,317	499	1,019	1,019	1,005	1,005	1,005	1,005	1,005	1,005	0
Louisiana	1	1	1,636	1,747	2,618	2,618	1,518	1,518	1,518	1,518	1,518	1,518	1,518	1,518	1,518	1,518	3
Oklahoma	1	1	1,161	1,287	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005	1,005
Texas	0	0	3,962	3,962	3,744	3,744	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	0
MOUNTAIN																	
Montana	0	0	283	579	321	129	36	36	1	0	1,370	1	1,370	1	0	0	0
Idaho	0	0	128	128	139	139	—	—	—	—	—	—	—	—	—	—	0
Wyoming	0	0	48	66	66	66	—	—	—	—	—	—	—	—	—	—	0
Colorado	1	1	966	1,041	887	887	453	453	4	0	2,876	0	2,876	0	0	0	0
New Mexico	0	0	556	699	1,507	1,207	187	187	187	187	187	187	187	187	187	187	1
Arizona	1	1	1,127	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1,273	1
Utah	0	0	81	81	91	91	—	—	—	—	—	—	—	—	—	—	0
Nevada	0	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0
PACIFIC																	
Washington	0	0	1,876	1,876	943	2,096	2,930	2,930	0	0	4,626	2	4,626	2	0	0	0
Oregon	0	0	357	357	1,649	1,071	19	19	19	19	1,071	1,071	1,071	1,071	1,071	1,071	1
California	2	2	9,087	4,747	10,784	5,282	14,261	11,521	11,521	11,521	11,521	11,521	11,521	11,521	11,521	11,521	6
Total	58	52,959	73,566	107,626	83,137	239,482	156,919	70,388	70,388	70,388	2,649	232,328	232,328	232,328	232,328	232,328	140

<sup>a</sup> Exclusive of 37 nonresidents.

NOTE.—Figures in parentheses refer to International List of Causes of Death.

*Cases and deaths reported, 1931, by States—Continued*  
 DENGUE (PART 44C)

State	State		State		State		State	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
<b>SOUTH ATLANTIC</b>								
South Carolina.....	85	0						
Georgia.....	11	0	Louisiana.....					
			Texas.....					
<b>EAST SOUTH CENTRAL</b>								
Alabama.....	2	0	Total.....					
Mississippi.....	83	0						

*Cases and deaths reported, 1931, by States*

State	Mumps (part 44c)		Rocky Mountain spotted fever <sup>1</sup>		Tularaemia (part 44c)		Pellagra (62)		Pneumonia (all forms 107-109)		Septic sore throat (115a)	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
<b>NEW ENGLAND</b>												
Maine.....	1,620	1					0		5	762	546	3
New Hampshire.....	515	2					0		1	337	110	15
Vermont.....	1,106	0					0		3	1,718	1,873	5
Massachusetts.....	5,504	8					0		16	2,927	2,927	46
Rhode Island.....	1,413	1					0		1	1,209	689	11
Connecticut.....	2,286	1					0		3	1,205	105	12
<b>MIDDLE ATLANTIC</b>												
New York.....	12,183	7					4		32	31,841	13,574	838
New Jersey.....	1,983	4					0		5	5,690	3,374	129
Pennsylvania.....	15,140	12					1		24	10,113	10,113	126
<b>EAST NORTH CENTRAL</b>												
Ohio.....	12,515	12					117		14	5,310	5,273	167
Indiana.....	8,804	1					16		4	2,797	1,061	139
Illinois.....	8,311	2					126		19	13,467	5,583	106
Michigan.....	5,279	0					6		3	2,883	325	63
Wisconsin.....	21,088	3					27		4	1,947	1,947	
<b>WEST NORTH CENTRAL</b>												
Minnesota.....							20	1	5	4	2,065	1,800
Iowa.....	754	2		1			8	0	2	1,644	1,644	26
Missouri.....	987	0					32	0	36	3,632	278	
North Dakota.....	720	0					0		0	618	467	3
South Dakota.....	285	0		1			5	0	1	388	388	0
Nebraska.....	3,005	1					0		3	804	38	0
Kansas.....	3,241	1		1			33	1	17	1,716	975	102

<sup>1</sup> Cases of Rocky Mountain spotted fever and tularaemia reported by State health officers have been supplemented by reports received from other sources.  
<sup>2</sup> Lobar pneumonia only.

## NOTIFIABLE DISEASES—STATES—1931

Cases and deaths reported, 1931, by State—Continued

State	Mumps (part 44c)				Rocky Mountain spotted fever <sup>1</sup>				Tularemia <sup>1</sup> (part 44c)				Pellagra (62)				Pneumonia (all forms 107-109)				Septic sore throat (113a)			
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths		
SOUTH ATLANTIC																								
Delaware	359	0	1	0	20	0	0	0	0	0	0	0	0	0	0	0	272	16	3,646	103	4	4		
Maryland	2,077	2	38	3	5	2	0	0	9	7	1,433	692	1,433	692	1,433	692	1,433	692	1,433	692	16	16		
District of Columbia	0	0	11	3	42	1	1	0	200	14	447	200	14	447	200	14	447	200	14	447	0	0		
Virginia	253	0	22	4	3	0	0	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0		
West Virginia	0	0	3	8	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
North Carolina	1,113	0	5	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
South Carolina	996	3	254	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Georgia	1,167	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Florida	2,753	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
EAST SOUTH CENTRAL																								
Kentucky	281	0	48	0	27	3	0	0	103	84	0	0	0	0	0	0	2,712	64	0	0	0	0		
Tennessee	1,716	0	6	0	1	1,120	0	0	488	282	0	0	0	0	0	0	2,321	144	0	0	0	0		
Alabama	1,167	3	0	0	6	1	1,120	0	448	3,313	0	0	0	0	0	0	2,237	141	0	0	0	0		
Mississippi	0	0	0	0	12	1	11,208	541	0	9,350	1,253	0	0	0	0	0	0	0	0	0	0	0		
WEST SOUTH CENTRAL																								
Arkansas	490	0	5	3	4	26	2	0	2,586	432	0	0	0	0	0	0	1,482	0	0	0	0	0		
Louisiana	82	1	5	3	12	0	0	0	1,403	240	0	0	0	0	0	0	1,747	29	0	0	0	0		
Oklahoma	214	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Texas	1,483	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MOUNTAIN																								
Montana	731	4	30	7	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Idaho	294	0	20	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Wyoming	446	0	26	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Colorado	1,469	0	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
New Mexico	523	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Arizona	163	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Nevada	75	0	18	2	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PACIFIC																								
Washington	1,736	3	52	3	1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Oregon	1,964	0	2	1	1	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
California	9,132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	129,012	89	252	42	675	32	27,807	5,864	99,045	100,060	4,706	1,381	0	0	0	0	0	0	0	0	0	0		

<sup>1</sup> Cases of Rocky Mountain spotted fever and tularemia reported by State health officers have been supplemented by reports received from other sources.<sup>2</sup> Lobar pneumonia only.

NOTE.—Figures in parentheses refer to International List of Causes of Death.

